

Title (en)  
Apparatus with active noise compensation

Title (de)  
Einrichtung mit aktiver Lärmkompensation

Title (fr)  
Dispositif avec compensation active du bruit

Publication  
**EP 0755166 A3 19980909 (DE)**

Application  
**EP 96104591 A 19960322**

Priority  
DE 19526124 A 19950719

Abstract (en)  
[origin: EP0755166A2] Appts.. with active noise compensation for protection of human hearing against constant noise includes a membrane(50) separating two volumes of air, (V2) in front of and(V1) behind the membrane. The membrane(50) and the rear volume(V1) have a degree of compliance, the compliance of the membrane(Nm) being less than that(N1) of the rear volume(V1). The use of a transducer for the claimed appts. is also claimed with the compliance characteristics described. Also claimed is an electroacoustic transducer appts. including a transducer membrane(50) separating front(V2) and rear(V1) air volumes as already described.

IPC 1-7  
**H04R 3/00**

IPC 8 full level  
**G10K 11/178** (2006.01); **H04R 1/28** (2006.01); **H04R 3/00** (2006.01)

CPC (source: EP US)  
**H04R 3/00** (2013.01 - EP US)

Citation (search report)

- [XY] EP 0425129 A2 19910502 - BOSE CORP [US]
- [XY] DE 3706481 A1 19870903 - SONY CORP [JP]
- [DX] US 5181252 A 19930119 - SAPIEJEWSKI ROMAN [US], et al
- [Y] DE 2500397 A1 19760708 - MANGER J W

Designated contracting state (EPC)  
CH DE FR GB LI NL SE

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**EP 0755166 A2 19970122; EP 0755166 A3 19980909; EP 0755166 B1 20011107**; DE 19526124 A1 19970130; DE 19526124 C2 19970626; DE 59608113 D1 20011213; US 5809156 A 19980915; US 5949897 A 19990907

DOCDB simple family (application)  
**EP 96104591 A 19960322**; DE 19526124 A 19950719; DE 59608113 T 19960322; US 3325498 A 19980302; US 56086195 A 19951120